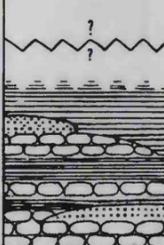
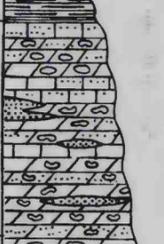
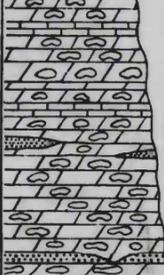
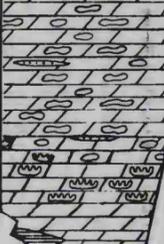
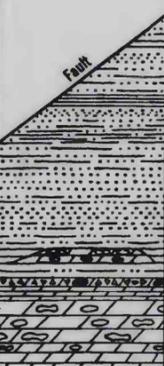


STRATI- GRAPHIC POSITION	NAME	COLUMNAR SECTION	THICK- NESS (FEET)	CHARACTERIZATION (GIVING TYPICAL LOCALITIES)			
				ROCKS	RESIDUUM	TŌPOGRAPHIC EXPRESSION	FOSSILS
RECENT TERTIARY(?)	Probably equivalent to Midway and Wilcox Groups		0-80? 0-400	Recent alluvial sand, loam, and gravel undifferentiable slope wash			
MISSISSIPPIAN	Mississippian undifferentiated		1000- 2000 ¹	Tcs, scattered sinkhole fillings of bedded but slumped variegated clay (locally bauxitized), silt, sand (locally indurated), and minor gravel. Tgs, tilted surficial patches of bedded sand and gravel	Pebbles of bauxite or rounded quartz in alluvium	Typically, but not invariably, minor depressed areas; or several such separated by relatively elevated areas	CF. <i>Asplenium eolignitica</i> , <i>Dryophyllum tennesseensis</i> <i>Banksia tenuifolia</i> , <i>Cinnamomum oblongatum</i> ; from west Anniston, Calhoun County, Ala. <i>Botanifolia</i> ³ from dump of Booger Hollow bauxite mine, Floyd County, Ga. Elsewhere only lignitized wood found
				Dark micaceous shale, shaly siltstone, crinoidal chert, sandstone, crinoidal limestone. Undifferentiated	Crinoidal chert. Henna-colored clay-loam containing manganiferous and ferruginous pellets. (N¼ sec. 19, T. 12 S., R. 10 E.)	Valleys and minor strike ridges	Locally abundant pelmatozoan columnals. Fenestellid bryozoa in shale. (Center N½ sec. 20, T. 12 S., R. 10 E.). Occasional productid brachiopods
MISSISSIPPIAN OR DEVONIAN			0-500 ²	Bluish buff, and pink sandstone (transitional). Locally massive and well indurated (SE¼NE¼ sec. 17, T. 12 S., R. 10 E.), locally fractured and friable (NW¼ SE¼ sec. 18, T. 12 S., R. 10 E.)	Sandstone float in sandy soil	Steep narrow strike ridges and small round hills	Scarce. Poorly preserved cup corals occur at center W¼NW¼SE¼ sec. 18, T. 12 S., R. 10 E.
MIDDLE OR LOWER DEVONIAN	Frog Mountain Sandstone		0-500 ²	Light-gray sandstone and quartzite; weathers bluff to yellowish. Locally arkosic. Massive to thinly bedded. Minor siltstone. (SW¼NW¼ sec. 10, T. 12 S., R. 10 E.; N¼NW¼ sec. 12, T. 12 S., R. 10 E.; midlength E margin sec. 33, T. 11 S., R. 11 E.)	Sandstone and quartzite float in sandy soil	Prominent and steep, to obscure and gentle, hills and strike ridges	Fairly abundant locally. Cup corals, <i>Favosites Chanetes</i> , <i>Tropidoleptus</i> cf. <i>T. coronatus</i> , <i>Paraspirifer Amphigenia</i> cf. <i>A. curta</i> , <i>Centronella</i> , other brachiopods, <i>Tentaculites</i> , <i>Phacops</i>
MIDDLE ORDOVICIAN	Athens Shale		100-400 ¹	Black fissile shale; weathers yellowish buff. (Center sec. 12, T. 12 S., R. 10 E.)	Flakes of yellowish-buff shale and cream-colored to variegated clay	Almost featureless lowland	Scarce. <i>Glossograptus</i> , <i>Diplograptus</i> , <i>Dicranograptus</i> . (SE cor., sec. 9, T. 12 S., R. 10 E.)
LOWER ORDOVICIAN	Longview Limestone and Newala Limestone		800 ²	Newala known as light-blue gray sublithographic limestone containing irregularly crinkled argillaceous partings (SE¼SE¼ sec. 11, T. 12 S., R. 10 E.), and as light-gray to medium-dark-gray granular, silty, and sandy dolomite (E¼SW¼ sec. 10, T. 12 S., R. 10 E.)	Thinly banded brittle dolomoidic chert; weathers chalky white and rotten; buff stain in cracks and dolomoids. Henna-colored clay-loam containing manganiferous and ferruginous pellets (N¼NE¼ sec. 10, T. 12 S., R. 10 E.)	Lowlands and gentle slopes; minor exceptions	Generally scarce but locally abundant. <i>Ceratopora Harmotoma</i> , <i>Oraspira</i> other gastropods, <i>Cameroceras</i> . (Midlength N line sec. 10, T. 12 S., R. 10 E.)
				Longview exposed at 2 localities only: (1) badly leached and weathered, probably silty and sandy dolomite (NE¼SW¼ sec. 3, T. 12 S., R. 10 E.); (2) a 3 ft ledge of sandstone (NW¼SE¼ sec. 18, T. 12 S., R. 10 E.)	"Ropy" chert. Slabby to blocky hard brittle dirty white to gray chert with bedding surfaces featured by ramifying rounded welts. Henna-colored clay-loam containing manganiferous and ferruginous pellets	Gentle hills and rolling lowlands, local moderately conspicuous spurs and strike ridges	<i>Lecanospira</i> commonly but not abundantly associated with ropy chert (NE¼SE¼NW¼ sec. 18, T. 12 S., R. 10 E.; center NW¼ sec. 7, T. 12 S., R. 10 E.)
UPPER CAMBRIAN	Copper Ridge Dolomite		700- 900 ²	Unequivocally exposed only near center W¼NE¼ sec. 5, T. 12 S., R. 10 E. Here it is a dark to light-gray fine to coarse-grained silty chert-bearing dolomite	Basal 100-250ft ordinarily marked by chertified digitate stromatolites making massive blocks of mottled black and white chert (NE¼NE¼ sec. 22, T. 11 S., R. 11 E.). Upper residuum consists of nondescript massive blocky chert in dull yellowish to brownish silty loam; commonly base is marked by ash-gray, gritty, hard, tough, irregularly cavernous, sparingly fossiliferous chert (midlength of east margin, N. fraction sec. 19, T. 19 S., R. 12 E.)	Relatively prominent strike ridges	In a single known vertically restricted zone just above the basal stromatolitic facies occurs the diagnostic <i>bellerophonacean</i> gastropod <i>Clouadia butsi</i> . Rare associates are fragmentary trilobites and pteropods
				Right column, Sand E of Coosa thrust: Ccud, upper facies of dolomitic limestone and dolomite; most typically dark gray, oolitic, silty, medium grained (E¼SW¼NW¼ sec. 15, T. 11 S., R. 11 E.; center N¼ sec. 13, T. 11 S., R. 11 E.)	Henna-colored clay-loam containing ferruginous and manganiferous pellets. Yields chertlike masses of aggregated columnar quartz and cellular siliceous oolite. (NE¼NE¼ sec. 15, T. 11 S., R. 11 E.)	Gentle slopes and spurs at foot of Copper Ridge scarp	None found
MIDDLE CAMBRIAN	Conasauga Limestone		1000- 2500 ¹	Cc1s, lower facies of olive shale interbedded with gray limestone and dolomitic limestone (S edge sec. 11, T. 11 S., R. 11 E.; S¼SE¼ sec. 10, T. 11 S., R. 11 E.)	Flakes of yellowish-buff shale containing zones similar to above	Valley bottoms and slopes adjacent to more resistant beds	Generalized Middle Cambrian trilobites
				Left column, N and W of Coosa thrust: Ccus, upper facies of gray and olive shale containing dark argillaceous limestone (sec. 1, T. 11 S., R. 11 E.; center E¼ sec. 4, T. 11 S., R. 10 E.)	Clay containing scattered flakes of shale and siliceous nodules. (Area mapped.)	Flatlands	Middle Cambrian (Rutledge) trilobites. Upper Cambrian (Nolichucky) trilobites at Cedar Buff, north of area mapped
LOWER CAMBRIAN	Rome Formation		1000 ¹	Cc1sm, lower shale-arenite facies. Green phyllitic shale containing intercalated thin beds of crinkled and fractured greenish quartzite and sandstone	Greenish-yellow silty, gravelly loam containing crinkled slabs and fragments of greenish quartzite and sandstone float. (Throughout area mapped.)	Low, intricately dissected, comby dip ridges	<i>Glossopleura</i> and <i>Kootenia</i> (SW¼NW¼ sec. 26, T. 11 S., R. 10 E.); <i>Praxacanthoides</i> (SW cor., T. 12 S., R. 11 E.; midlength of N margin NW fraction, sec. 12, T. 11 S., R. 11 E.)
				Purplish-red buff, yellowish and greenish sandstone, siltstone, and shale. Thinly bedded where exposed in areas mapped, but with massive sandstone near top at same localities in Georgia	Float of sandstone and siltstone in sandy soil	Conspicuous narrow strike ridges	None found in rocks of unequivocal Rome age
				Massive to thinly bedded medium-dark-gray fine to medium-grained locally siliceous and silty dolomite. Breccia locally present above middle of sequence. Shaly dolomite in upper part transitional into Rome. (center N¼ sec. 15, T. 12 S., R. 9 E.; SE¼SE¼ sec. 29, T. 11 S., R. 10 E.)	Black irregularly fracturing nodular chert; yellowish-gray earthy oolitic chert; and chalky chert in chocolate brown, henna, or yellowish clay-loam. (Areas mapped.)	Rolling lowlands and scarp faces under Rome-capped strike ridges	None found
	Weisner Quartzite		2500 ¹	Yellowish-white, buff, and pinkish quartzite and sandstone. Massive to thinly bedded. Locally cross bedded. Includes some shale and slate in Indian Mountain. Scolithus tubes occur locally in northern ridges of Indian Mtn (S¼ sec. 25, T. 11 S., R. 11 E.; W¼ sec. 35, T. 11 S., R. 11 E.; various localities on Weisner Mountain)	Float of quartzite and sandstone	Major prominences in area mapped	None found

¹ Incomplete estimate
² Computed from limited but reasonably reliable data
³ Identified by R. W. Brown, U.S. Geological Survey

SECTION AND DESCRIPTION OF STRATIGRAPHIC UNITS IN THE
ROCK RUN AND GOSHEN VALLEY AREAS, ALABAMA